

Prostate-Specific Transcript from TCR $\gamma$  locus

GGGCAAGAGTTGGGCAAAAAAATCAAGGTATTTGGTCCCGGAACAAAGCTTATCATTACA 60  
 <----- J gamma 1.2 ----->  
 M Q M F P P S P L F F F L Q L L K Q S S R R 20  
  
GATAAACAACTTGATGCAGATGTTCCCCAAGCCCACTATTTCTTCCTTCATTGCTGAAACAAAGCTCCAGAAGGC 140  
 <----- C gamma 1 (exon CI) ----->  
 L E H T F V F L R N F S L M L L R Y I G K K R R A T R 40  
  
TGGAACATACCTTGTCTCTTGAGAAATTTCCTGATGTTATTAAGATACATTGGCAAGAAAAGAAGAGCAACACGA 220  
  
 F W D P R R G T P 58  
 M K T N D T Y M K F S W L T V P E K  
TTCTGGGATCCCAGGAGGGGAACACCATGAAGACTAACGACACATACATGAAATTAGCTGGTTACGGTGCCAGAAAAG 300  
  
 S 20 L D K E H R C I V R H E N N K N G V D Q E I I F P P 40  
TCACTGGACAAAGAACACAGATGTATCGTCAGACATGAGAATAATAAAACGGAGTTGATCAAGAAATTATCTTCCTCC 380  
  
 I K T D V I T M D P K D N C S K D A N D T L L L Q L 60  
AATAAGACGGATGTCATCACAAATGGATCCAAAGACAATTGTTCAAAAGATGCAAATGATACACTACTGCTGCAGCTCA 460  
 <----- C gamma 1 (exon CII) ----->  
  
 T N T S A Y Y M Y L L L L K S V V Y F A I I T C C L 80  
CAAACACCTCTGCATATTACATGTACCTCCTGCTCAAGAGTGTGGCTATTGCCCATCATCACCTGCTGTCTG 540  
 <----- C gamma 1 (exon CIII) ----->  
  
 L R R T A F C C N G E K S 100  
CTTAGAAGAACGGCTTCTGCTGCAATGGAGAGAAATCATAACAGACGGTGGACAAGGAGGCCATCTTCCTCATCGG 620  
 <----->  
  
TTATTGTCCTAGAACGCGCTTCTGAGGATCTAGTTGGCTTCTTCTGGGTTGGGCCATTCAAGTTCTCATGTTGT 700  
ACTATTCTATCATTATTGTATAACGGTTCAAAACCAGTGGGCACACAGAGAACCTCACTCTGTAATAACAATGAGGAAT 780  
AGCCACGGCGATCTCCAGCACCAATCTCCATGTTCCACAGCTCCTCCAGCCAACCCAAATAGCCCTGCTATAGTG 860  
TAGACATCCTGCGGCTTCTAGCCTGTCCTCTTAGTGTCTTAATCAGATAACTGCCTGGAAGCCTTCATTTAC 940  
ACGCCCTGAAGCAGTCTCTTGCTAGTTGAATTATGTGGTGTGTTTCCGTAATAAGCAAATAAATTTAAAAAAATG 1020  
 AAAAGTT 1027

Underlined sequences are:

- Transcription Initiation Site (within GCAAGAG sequence)
- Polyadenylation Signal (AATAAA)

Double Underlined sequences are:

- Possible Translation Initiation Codons (ATG)

FIG. 1

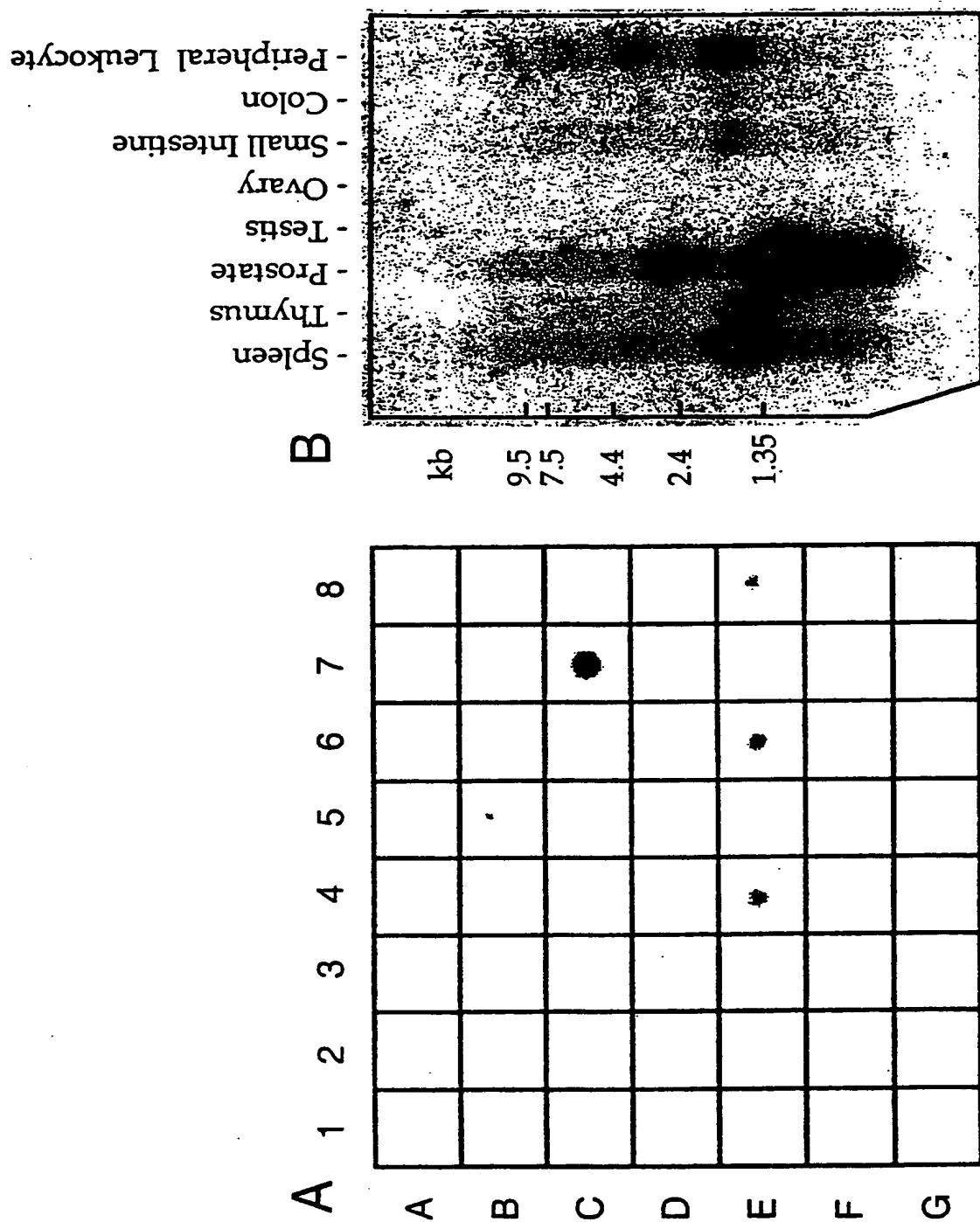
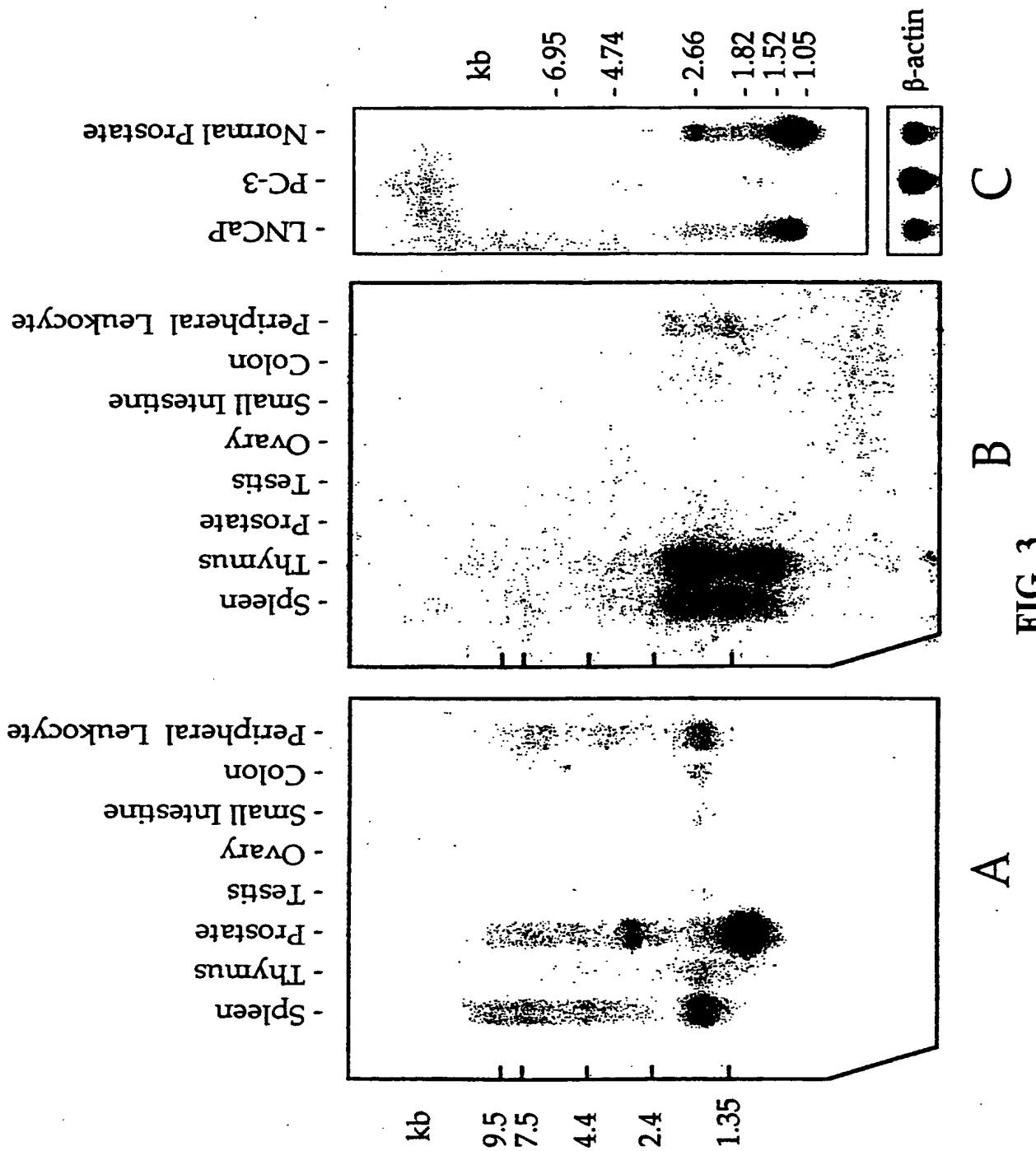


FIG. 2

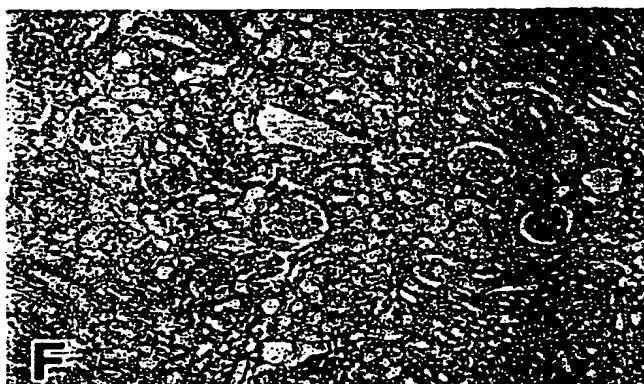
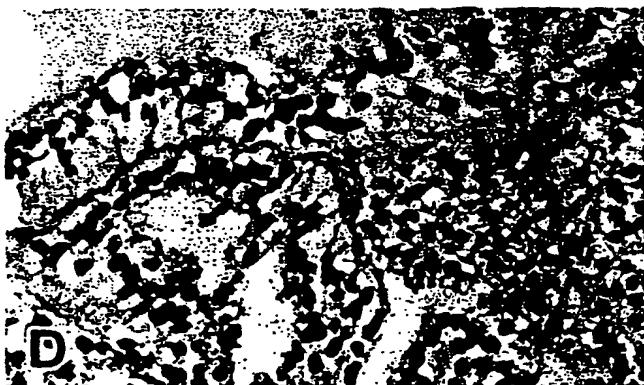
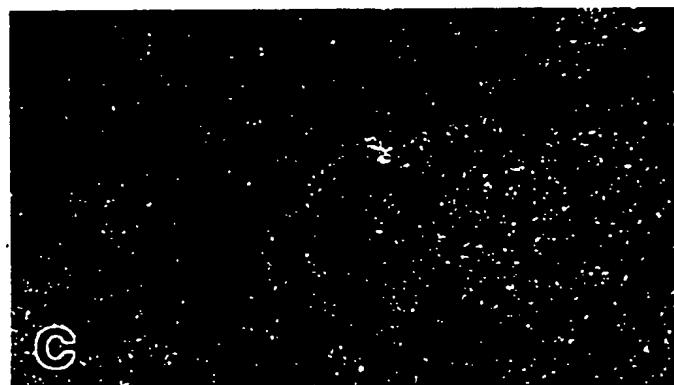


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**FIG. 4**

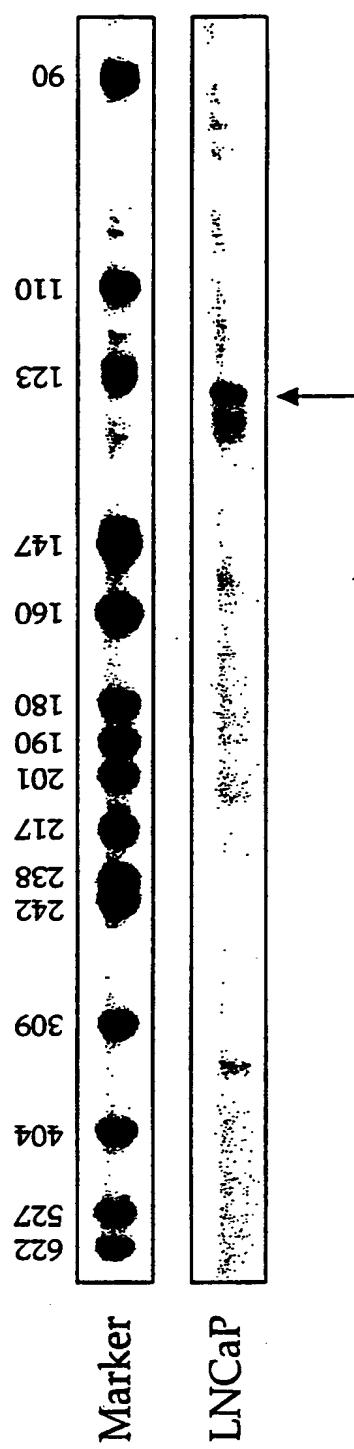


FIG. 5

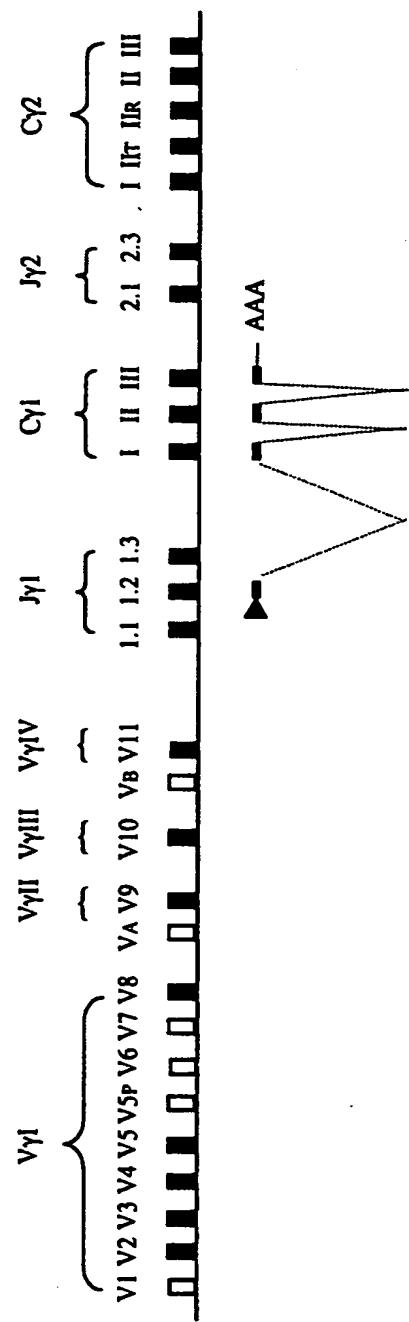


FIG. 6

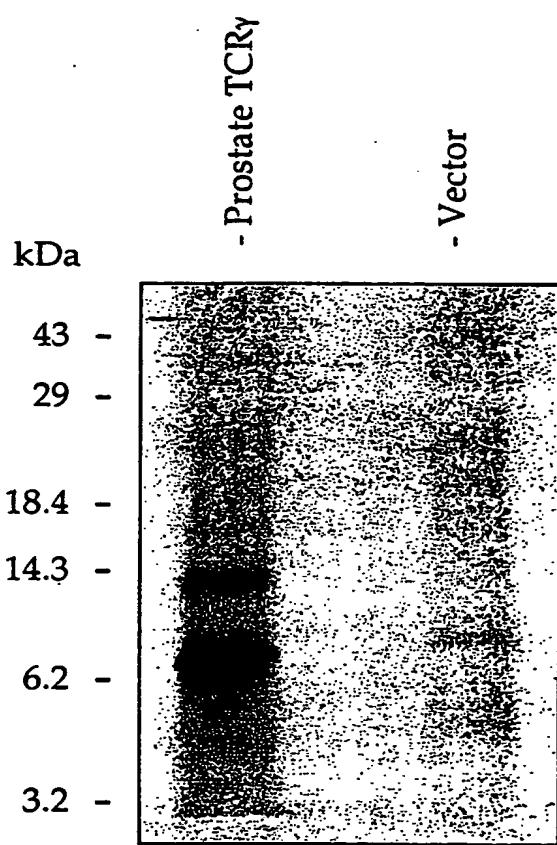
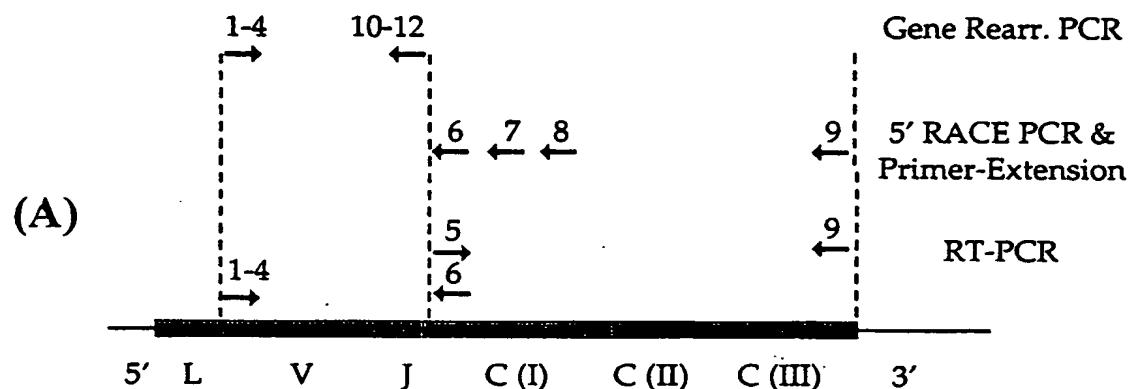
**FIG. 7**

TABLE 1. Primers (→) used for analysis of the prostate TCR $\gamma$  transcript

(B)

Name	Annealing	Primer Sequence 5' -> 3'
1. TCRV $\gamma$ I.F	V $\gamma$ , subgroup I	AACTTGGAAAGGRGAACRAAGTCAGTC
2. TCRV $\gamma$ II.F	V $\gamma$ , subgroup II	AGTACTAAAACGCTGTCAAAAACAGCC
3. TCRV $\gamma$ III.F	V $\gamma$ , subgroup III	TTGGACTTGGATTATCAAAAGTGG
4. TCRV $\gamma$ IV.F	V $\gamma$ , subgroup IV	TTGGGCAGTTGGAACAACCTGAAA
5. TCRC $\gamma$ .F	C $\gamma$ , exon CI	GATAAACAACTTGATGCAGATGTTCCC
6. TCRC $\gamma$ .R1	C $\gamma$ , exon CI	GGGAAACATCTGCATCAAGTTGTTATC
7. TCRC $\gamma$ .R2	C $\gamma$ , exon CI	CTGGAGTTGTTCAAGCAATTGAAGG
8. TCRC $\gamma$ .R3	C $\gamma$ , exon CI	CTCAAGAAGACAAAGGTATGTTCCAGC
9. TCRC $\gamma$ .R4	C $\gamma$ , exon CIII	TTATGATTCTCTCCATTGCAGCAG
10. TCRJ $\gamma$ 1.1.R	J $\gamma$ 1.1	GAAGTTACTATGAGCTTAGTCCCTT
11. TCRJ $\gamma$ 1.2.R	J $\gamma$ 1.2	AAGCTTGTCCGGGACCAAATAC
12. TCRJ $\gamma$ 1.3.R	J $\gamma$ 1.3	TACCTGTGACAACAAGTGTGTTTC
		R=A+G

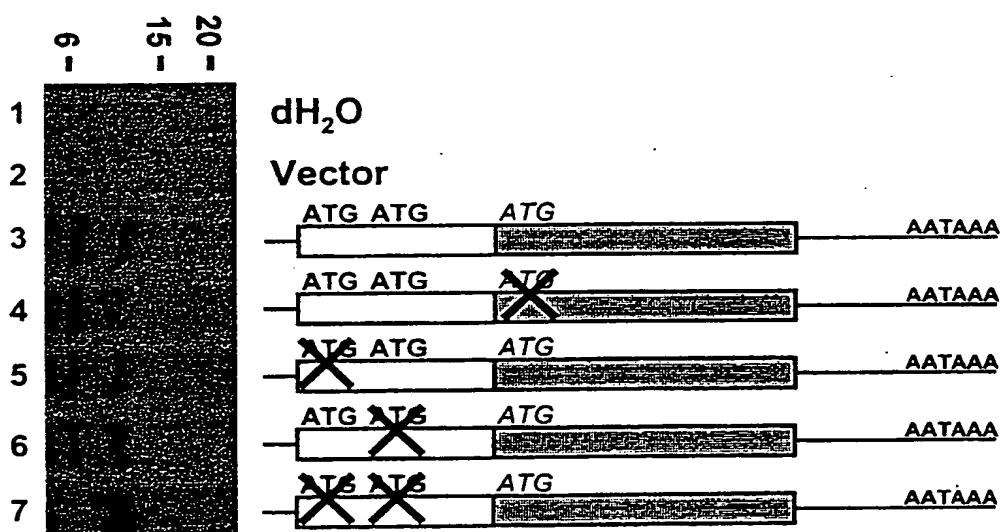


FIG. 9

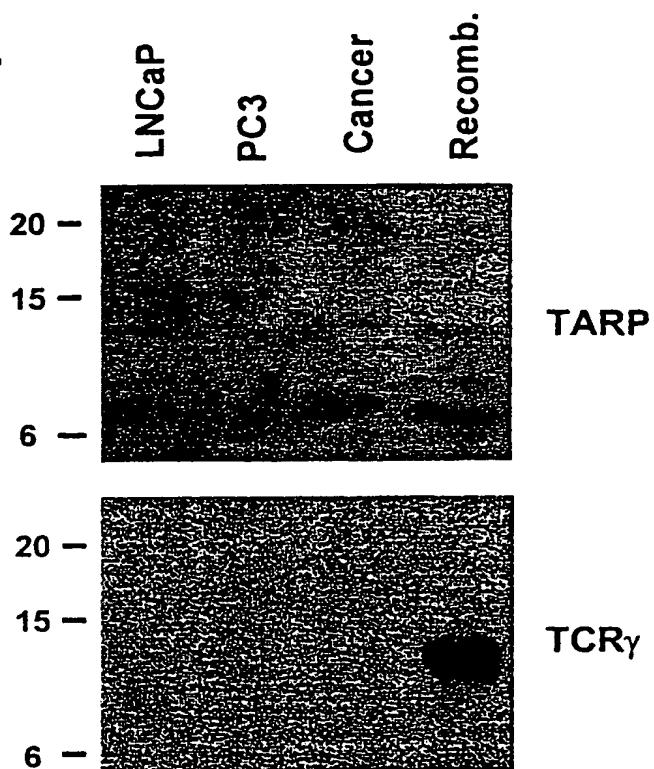
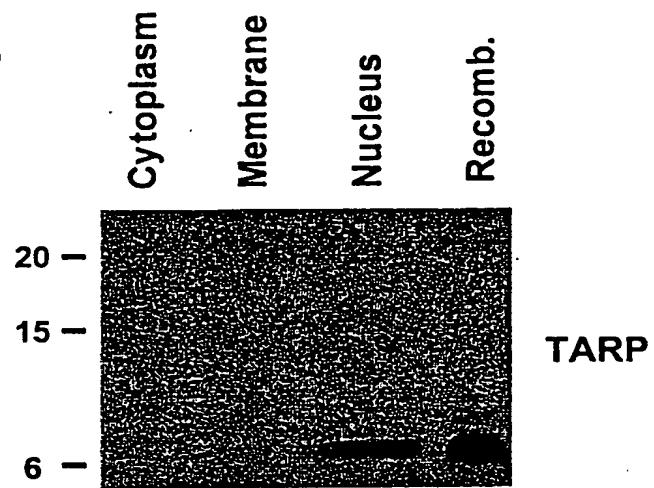
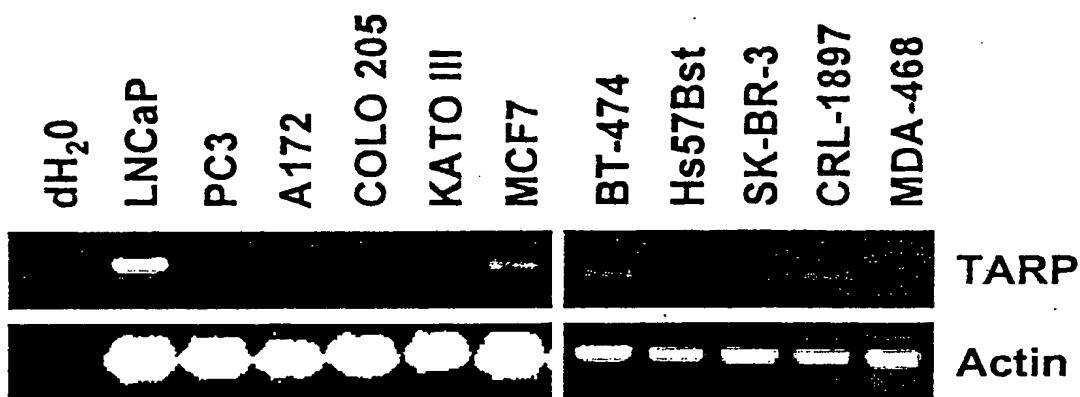
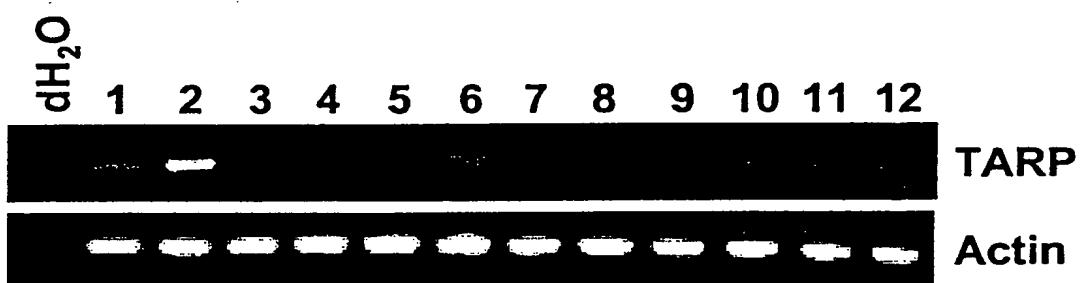
**A.****B.**

FIG. 10

**A.****B.****FIG. 11**

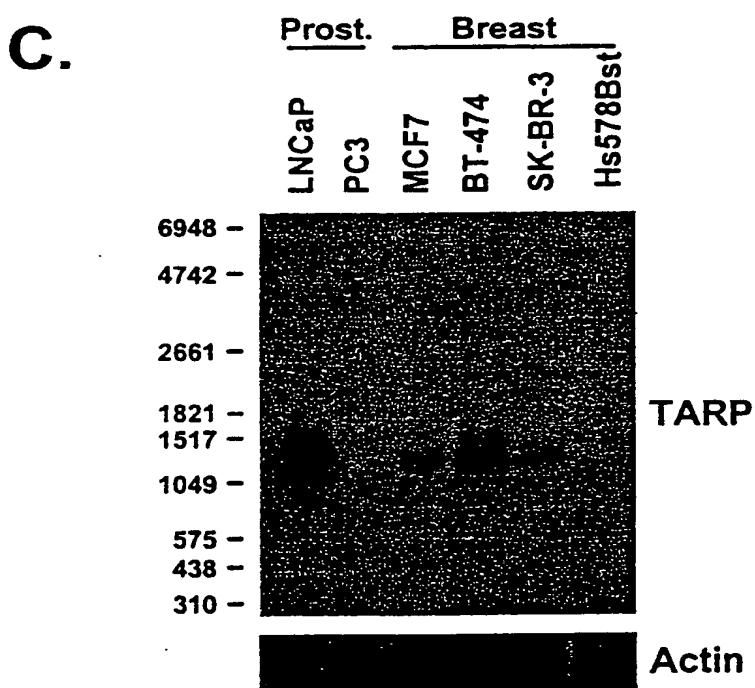
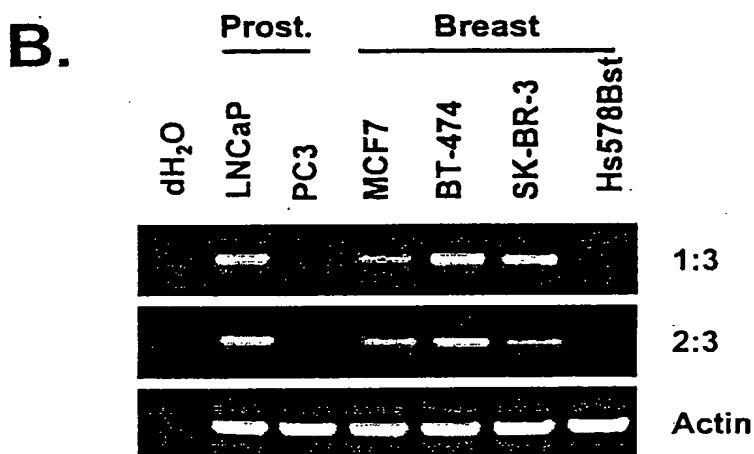
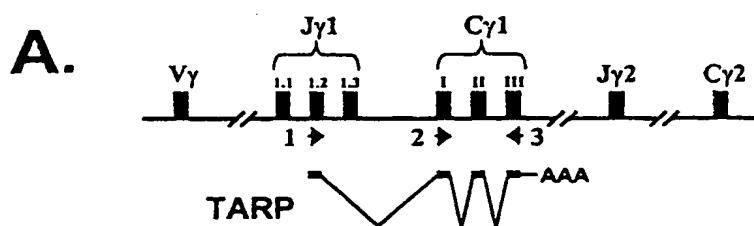


FIG. 12

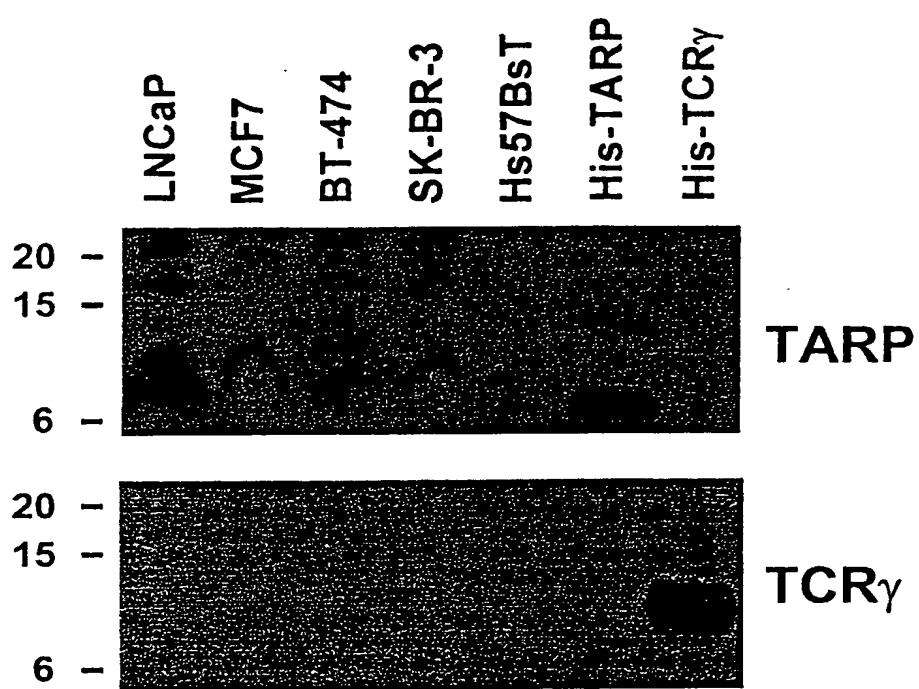


FIG. 13

A.

MQMFPPSPLFFFQLQLLKQSSRR  
LEHTFVFLRNFSLMLLRYIGKKR  
RATRFWDPRRGTP

B.

TARP	G	K	K	R	R	A	T	R	F	W	D	P	R	R	G	T
DTUP1	G	S	K	D	R	S	V	Q	F	W	D	P	R	N	G	T
YTUP1	G	S	K	D	R	G	V	L	F	W	D	K	K	S	G	N

FIG. 14